

ABSTRACT OF THE DISCLOSURE

A dual light source voltage-modulated reciprocal control circuit for a scanner. The circuit includes a voltage modulation circuit, a first lamp driving circuit, a second lamp driving circuit and a reciprocal control circuit. The voltage-modulating circuit generates a modulated voltage whose magnitude can be adjusted through pulse width modulation of a square wave. The first lamp driving circuit receives the modulated voltage to drive a first lamp. Similarly, the second lamp driving circuit receives the modulated voltage to drive a second lamp. The reciprocal control circuit redirects the modulated voltage to the first lamp driving circuit or the second lamp driving circuit according to the dictate of a reciprocal logic signal.